



DEPARTMENT OF THE ARMY  
U.S. ARMY CORPS OF ENGINEERS  
WASHINGTON, D.C. 20314-1000

REPLY TO  
ATTENTION OF:

NOV 5 2002

CECW-EWS (1110)

MEMORANDUM FOR COMMANDERS, MAJOR SUBORDINATE COMMANDS

SUBJECT: Design Review Policy for Airfield, Railroad and Roadway Projects

1. References:

- a. ER 1110-1-8158, 16 January 1998, Subject: Corps-Wide Centers of Expertise Program.
- b. Memorandum CEMP-ET, 6 August 1998, Military Construction Design Review Policy for Airfield, Railroad and Roadway Projects.

2. The above references require technical reviews of Corps designs (in-house and A-E) of airfield, railroad and roadway projects be conducted by the USACE Transportation Systems Mandatory Center of Expertise (TSMCX). This policy has proven to be a highly efficient and cost effective way to supplement district in-house design review capabilities and helps the districts provide our customers with a quality product. A review by the TSMCX also facilitates the implementation of the most current advancements in technology related to transportation systems. The US Army Aeronautical Services Agency (USAASA) and our Air force customers have endorsed this policy as a procedure for District Commands to provide consistent high quality design and construction.

3. This memorandum clarifies the policy set forth above and updates the TSMCX design review fee schedule:

- a. All airfield and railroad project designs, regardless of funding type, require TSMCX review. This includes Army, Air Force, Navy and Air National Guard (ANG) projects, Civil Works projects, Foreign Military Sales (FMS) projects, Host Nation (HN) projects, Combined Defense Improvement Projects (CDIP) and support for others (SFO) projects. Airfield projects include airfield pavements, aircraft hangar floors, airfield lighting, marking and navigational aids (NAVAIDS), hydrant fuel projects (pavements portion only) and any facility located within the airfield operational airspace.

- b. All projects, regardless of funding type, where the roadway portion is over \$3,000,000 also require TSMCX review. This includes Army, Air Force, Navy, ANG, Civil Works, FMS, HN, CDIP and SFO projects. Roadway projects include roads, streets, non-organizational parking areas, organizational vehicle parking areas, vehicle and tank hardstands, tank trails and any pavement facility in support of transportation vehicles. Roadway projects under \$3,000,000 will be reviewed only when requested by the design district or the customer.

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c. All TSMCX review efforts will be project funded and reimbursed by the design district.

d. To implement the requirements for TSMCX review, the Project Management Plan (PMP) for qualified projects shall reflect this requirement and provide appropriate effort and funding. Project managers should contact the TSMCX during the development of the PMP.

4. For projects requiring TSMCX review, two copies of all planning and design documents (project booklets, DD Forms 1391, plans, specifications and design analyses) should be sent to the following:

U.S. Army Corps of Engineers  
Transportation Systems Center  
12565 West Center Road  
Omaha, NE 68144-3869  
Phone: 402-221-7260  
FAX: 402-221-7261

5. A list of average review fees based on the Programmed Amount is enclosed. This list can be used as a guide for the preparation of a design budget. The fees cover the labor review costs for all phases of design. However, since each project is unique in size and complexity, the actual costs for design reviews and the length of time for doing the reviews should be negotiated between the design district and the TSMCX. Design-build projects and airfield projects with both pavements and lighting/NAVAIDS will generally require higher review fees. Additional funding for travel and labor will be required for review conferences and site visits, when requested by the design district or customer. Funds shall be transferred to the TSMCX with the first set of review documents.

6. Our point of contact for questions or comments is Mr. Gregory W. Hughes, CECW-EWS, (202) 761-7771. Technical issues related to reviews may be directed to Mr. Terry W. Sherman, Transportation Systems Center, (402) 221-7260.

FOR THE COMMANDER:



CARL A. STROCK  
Major General, USA  
Director of Military Programs

Encl

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CF (w/encl):

COMMANDER

AMC, ATTN: AMCEN

TRADOC, ATTN: ATBO-G

FORSCOM, ATTN: AFEN

CENWO-ED-TX (TSMCX)

HQ AFCESA/ENC, ATTN: Mr. Greene

USAASA, ATTN: MOAS-AI (Mr. Perron)

DAIM-FDF-B, ATTN: Mr. Black

COMMANDER,

All Regional Offices, Districts and Centers, ATTN: Engineering Division and Program/Project Management Division

## AVERAGE REVIEW FEES

<u>Programmed Amount</u>	<u>Review Fee</u>
Less than \$1,000,000	\$4,500
\$1,000,000 to \$2,500,000	\$6,000
\$2,500,000 to \$5,000,000	\$8,000
\$5,000,000 to \$7,500,000	\$9,000
\$7,500,000 to \$10,000,000	\$10,000
\$10,000,000 to \$15,000,000	\$12,000
Over \$15,000,000	Contact TSMCX

### NOTES:

**Basic Review Fee.** Review fees are based on the airfield, road or railroad portion of the project only. For example, for a \$20M hydrant fuel project that includes \$2M of airfield paving, the basic review fee would be \$6000.

**Lighting/NAVAIDS.** Airfield projects that include both pavements and lighting/NAVAIDS will require higher review fees depending on the scope of the airfield lighting/NAVAIDS portion of the project. Review fees for the airfield lighting/NAVAIDS portion of the project will follow the above schedule; except projects with both airfield lighting and electronic NAVAIDS (ILS, PAR, etc) or more than two lighting systems, will require approximately 70% higher review fees. For example, for a project (PA of \$2.4M for lighting/NAVAIDS) with runway edge lights, runway threshold and ILS relocation, the review fee would be \$10,200 (1.7 x \$6,000) for airfield lighting/NAVAIDS.

**Design-Build.** Design-build projects will require approximately 100% higher review fees depending on the size, scope and complexity of the project. As a minimum, they will require review of the draft RFP and final RFP (developed by the District) and review of the preliminary design and final design (submitted by the design-build contractor). Additional submittals/reviews may be required to verify that design criteria is met.

**Additional Reviews.** Review fees are based on **two** reviews, preliminary design and final design. Additional reviews (60%, 100%, additional design-build submittals, etc.) will require approximately 35% higher review fees.

**Conferences/Site Visits.** Additional funding for labor and travel will be required for review conferences and site visits, when requested by the design district or customer.

**Design Budget.** The above fees should be used as a guide for the preparation of a design budget. Actual fees for design reviews should be negotiated between the design district and the TSMCX.